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* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1           Web Page for STN Seminar Schedule - N. America
 NEWS  2  JUL 28   CA/CAplus patent coverage enhanced
 NEWS  3  JUL 28   EPFULL enhanced with additional legal status
                   information from the epoline Register
 NEWS  4  JUL 28   IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
 NEWS  5  JUL 28   STN Viewer performance improved
 NEWS  6  AUG 01   INPADOCDB and INPAFAMDB coverage enhanced
 NEWS  7  AUG 13   CA/CAplus enhanced with printed Chemical Abstracts
                   page images from 1967-1998
 NEWS  8  AUG 15   CAOLD to be discontinued on December 31, 2008
 NEWS  9  AUG 15   CAplus currency for Korean patents enhanced
 NEWS 10  AUG 27   CAS definition of basic patents expanded to ensure
                   comprehensive access to substance and sequence
                   information
 NEWS 11  SEP 18   Support for STN Express, Versions 6.01 and earlier,
                   to be discontinued
 NEWS 12  SEP 25   CA/CAplus current-awareness alert options enhanced
                   to accommodate supplemental CAS indexing of
                   exemplified prophetic substances
 NEWS 13  SEP 26   WPIDS, WPINDEX, and WPIX coverage of Chinese and
                   and Korean patents enhanced
 NEWS 14  SEP 29   IFICLS enhanced with new super search field
 NEWS 15  SEP 29   EMBASE and EMBAL enhanced with new search and
                   display fields
 NEWS 16  SEP 30   CAS patent coverage enhanced to include exemplified
                   prophetic substances identified in new Japanese-
                   language patents
 NEWS 17  OCT 07   EPFULL enhanced with full implementation of EPC2000
 NEWS 18  OCT 07   Multiple databases enhanced for more flexible patent
                   number searching
 NEWS 19  OCT 22   Current-awareness alert (SDI) setup and editing
                   enhanced
 NEWS 20  OCT 22   WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
                   Applications
 NEWS 21  OCT 24   CHEMLIST enhanced with intermediate list of
                   pre-registered REACH substances

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 00:36:50 ON 19 NOV 2008

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

FILE 'REGISTRY' ENTERED AT 00:37:14 ON 19 NOV 2008
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```

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STRUCTURE FILE UPDATES: 17 NOV 2008 HIGHEST RN 1073055-74-9
DICTIONARY FILE UPDATES: 17 NOV 2008 HIGHEST RN 1073055-74-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

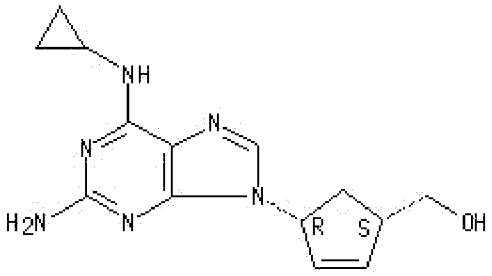
```
=> e abacavir/cn
E1            1     ABACA/CN
E2            1     ABACA MANILA HEMP/CN
E3            1 --> ABACAVIR/CN
E4            1     ABACAVIR 5'-MONOPHOSPHATE DEAMINASE/CN
E5            1     ABACAVIR MONOPHOSPHATE DEAMINASE/CN
E6            1     ABACAVIR SUCCINATE/CN
E7            1     ABACAVIR SULFATE/CN
E8            1     ABACAVIR SULFATE-LAMIVUDINE MIXT./CN
E9            1     ABACAVIR-EPIVIR MIXT./CN
E10           1     ABACIL/CN
E11           1     ABACIN/CN
E12           1     ABACOPTERIN A/CN

=> s e3
L1            1 ABACAVIR/CN

=> d

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   136470-78-5  REGISTRY
ED   Entered STN:  04 Oct 1991
CN   2-Cyclopentene-1-methanol, 4-[2-amino-6-(cyclopropylamino)-9H-purin-9-yl]-
     , (1S,4R)-  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   2-Cyclopentene-1-methanol, 4-[2-amino-6-(cyclopropylamino)-9H-purin-9-yl]-
     , (1S-cis)-
OTHER NAMES:
CN   1592U89
CN   Abacavir
CN   Ziagen
FS   STEREOSEARCH
MF   C14 H18 N6 O
CI   COM
SR   CA
LC   STN Files:   ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,
       CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU, EMBASE,
       IMSDRUGNEWS, IMSPATENTS, IMSPRODUCT, IMSRESEARCH, IPA, MRCK*, PATDPASPC,
       PHAR, PIRA, PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN,
       USPAT2, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   WHO

Absolute stereochemistry.  Rotation (-).
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1298 REFERENCES IN FILE CA (1907 TO DATE)
16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1305 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file merck

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.61	7.82

FILE 'MRCK' ENTERED AT 00:37:44 ON 19 NOV 2008

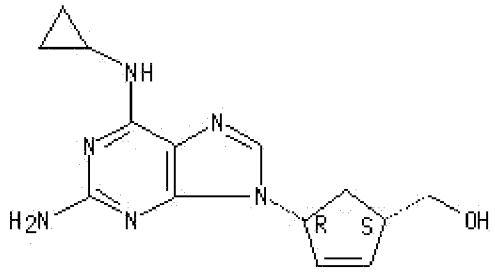
FILE COVERS FROM LATE 19TH CENTURY TO PRESENT. LAST UPDATE: AUGUST 2008

=> s l1
L2 1 L1

=> d all

L2 ANSWER 1 OF 1 MRCK COPYRIGHT (C) 2008 Merck and Co., Inc., Whitehouse Station, New Jersey, USA. All rights reserved. on STN
MERCK Number (MNO): 1400001
CAS Registry No. (RN): **136470-78-5**
MERCK Index Name (MIN): Abacavir
CA Index Name (CN): (1S,4R)-4-[2-Amino-6-(cyclopropylamino)-9H-purin-9-yl]-2-cyclopentene-1-methanol
Synonym(s) (CN): (-)-cis-4-[2-amino-6-(cyclopropylamino)-9H-purin-9-yl]-2-cyclopentene-1-methanol
Drug Code(s) (CN): 1592U89
File Segment. (FS): Active Monographs
Molecular Form. (MF): C14 H18 N6 O
Wgt Composition (COMP): C 58.73%, H 6.34%, N 29.35%, O 5.59%.
Molecular Weight (MW): 286.33
References (RE): Nucleoside reverse transcriptase inhibitor (NRTI). Prepn: S. M. Daluge, EP 349242 (1990 to Wellcome Found.); idem, US 5034394 (1991 to Burroughs Wellcome). Asymmetric synthesis: M. T. Crimmins, B. W. King, J. Org. Chem. 61, 4192 (1996). Pharmacology and biological profile: S. M. Daluge et al., Antimicrob. Agents Chemother. 41, 1082 (1997). Review of antiviral activity and clinical evaluations: R. H. Foster, D. Faulds, Drugs 55, 729-736 (1998). Clinical trial of triple nucleoside regimen in HIV patients: S. Staszewski et al., J. Am. Med. Assoc. 285, 1155 (2001).

Absolute stereochemistry. Rotation (-).



Melting Point (MP):

Value MP deg C
165

Optical Rotatory Power (ORP):

Value ORP deg	Temp. ORP.T deg C	Spectral Line ORP.SL	Note
-59.7	20	D	
-127.8	20	436	
-218.1	20	365	(c = 0.15 in methanol)

UV Spectrum (UVS):

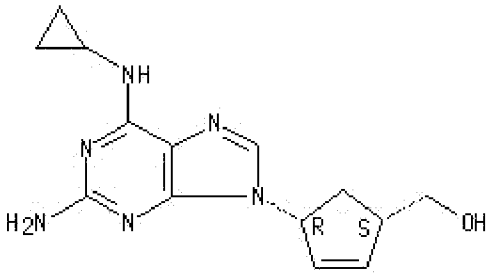
Maximum Peak Pos. UVS.PP nm	Note
296	(pH 1) (ε 14000, 10700)
255	

Other Properties (OCPP):
White solid foam from acetonitrile, mp 165° . uv max (pH 1): 296 , 255 nm (ε 14000, 10700) ; uv max (pH 7): 284 , 259 nm (ε 15900, 9200) ; uv max (pH 13): 284 , 259 nm (ε 15800, 9100) . [α]D20 -59.7° ; [α]43620 -127.8° ; [α]36520 -218.1° (c = 0.15 in methanol) . Log P (1-octanol/0.1M sodium phosphate): 1.22 ±0.03 (pH 7.4). pKa 5.01. Soly in water (25°): >80 mM (pH 7).

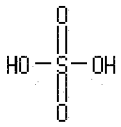
== DERIVATIVE == (1): Sulfate
CAS Registry No. (RN.DRV): 188062-50-2
Trade Name(s) (CN.DRV): Ziagen (GlaxoSmithKline plc; GSK)
Molecular Form. (MF.DRV): (C14 H18 N6 O)2 . H2 O4 S
Wgt Composition (COMP.DRV): C 50.14%, H 5.71%, N 25.06%, O 14.31%, S 4.78%.
Molecular Weight (MW.DRV): 670.74

CM 1

Absolute stereochemistry. Rotation (-).



CM 2



Therapeutic Codes (THER):
Antiretroviral.
Referenced Patent (RPN):
EP349242; US5034394

=> file reg
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 4.11 | 11.93

FILE 'REGISTRY' ENTERED AT 00:38:30 ON 19 NOV 2008
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http://www.cas.org/support/stngen/stndoc/properties.html

=> e brivudine/cn
E1 1 BRIVIOLIDE J/CN
E2 1 BRIVUDIN/CN
E3 1 --> BRIVUDINE/CN
E4 1 BRIX (HUMAN CLONE MGC:45062 IMAGE:5107954)/CN
E5 1 BRIX (HUMAN CLONE MGC:4924 IMAGE:3462041 GENE BRIX)/CN
E6 1 BRIX (XENOPUS LAEVIS GENE BRIX)/CN
E7 1 BRIX DOMAIN CONTAINING 1 (HUMAN CLONE MGC:21067 IMAGE:474552
4 GENE BXDC1)/CN
E8 1 BRIX DOMAIN CONTAINING 1 (HUMAN CLONE MGC:21067 IMAGE:474552
4)/CN
E9 1 BRIX DOMAIN CONTAINING 1 (MOUSE STRAIN CZECH II CLONE MGC:35

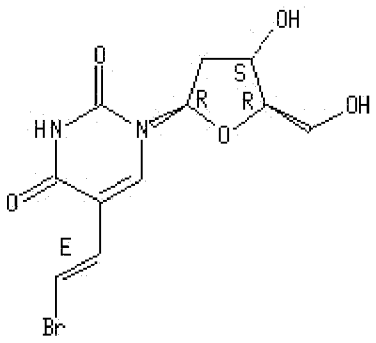
```
                    797 IMAGE:4009314)/CN
E10           1     BRIX DOMAIN CONTAINING-LIKE PROTEIN (LEISHMANIA MAJOR STRAIN
                     FRIEDLIN)/CN
E11           1     BRIX DOMAIN PROTEIN (SULFOLOBUS ACIDOCALDARIUS STRAIN DSM 63
                    9)/CN
E12           1     BRIX-DOMAIN RIBOSOMAL BIOGENESIS PROTEIN (METHANOBREVIBACTER
                     SMITHII STRAIN ATCC 35061)/CN

=> s e3
L3            1 BRIVUDINE/CN

=> d

L3   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   69304-47-8  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Uridine, 5-[(1E)-2-bromoethenyl]-2'-deoxy-  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Uridine, 5-(2-bromoethenyl)-2'-deoxy-, (E)-
OTHER NAMES:
CN   (E)-5-(2-Bromovinyl)-2'-deoxyuridine
CN   (E)-5-(2-Bromovinyl)deoxyuridine
CN   (E)-5-O-(2-bromoethenyl)-2'-deoxyuridine
CN   5-[(E)-2-Bromoethenyl]-2'-deoxyuridine
CN   Brivudin
CN   Brivudine
CN   Bromovinyldeoxyuridine
CN   BVDU
CN   Helpin
FS   STEREOSEARCH
DR   102040-00-6, 155203-57-9, 286419-83-8
MF   C11 H13 Br N2 O5
CI   COM
LC   STN Files:   ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS,
       BIOTECHNO, CA, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CIN, CSCHEM,
       DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSPRODUCT, IMSRESEARCH,
       IPA, MEDLINE, PATDPASPC, PHAR, PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE,
       TOXCENTER, USAN, USPAT2, USPATFULL, VETU
         (*File contains numerically searchable property data)
     Other Sources:   WHO

Absolute stereochemistry.
Double bond geometry as shown.
```

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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

             576 REFERENCES IN FILE CA (1907 TO DATE)
              27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
             579 REFERENCES IN FILE CAPLUS (1907 TO DATE)


=> file reg
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   7.61      19.54
```

FILE 'REGISTRY' ENTERED AT 00:39:18 ON 19 NOV 2008
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DICTIONARY FILE UPDATES: 17 NOV 2008 HIGHEST RN 1073055-74-9

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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> e cidofovir/cn
E1   1   CIDIROL/CN
E2   1   CIDOCETINE/CN
E3   1 --> CIDOFOVIR/CN
E4   1   CIDOFOVIR DIPHOSPHATE/CN
E5   1   CIDOFOVIR HYDRATE/CN
E6   1   CIDOMYCIN/CN
E7   1   CIDOPHAGE/CN
E8   1   CIDOPHYLLINE/CN
E9   1   CIDOTEN/CN
E10   1   CIDOVIR/CN
E11   1   CIDOXEPIN/CN
E12   1   CIDOXEPIN HYDROCHLORIDE/CN

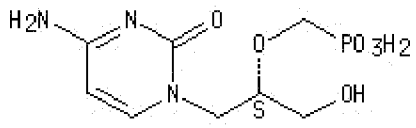
=> s e3
L4   1 CIDOFOVIR/CN

=> d

L4   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN   113852-37-2 REGISTRY
ED   Entered STN: 16 Apr 1988
CN   Phosphonic acid, P-[[(1S)-2-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1-
     (hydroxymethyl)ethoxy]methyl]- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Phosphonic acid, [[(1S)-2-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1-
     (hydroxymethyl)ethoxy]methyl]- (9CI)
CN   Phosphonic acid, [[2-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1-
     (hydroxymethyl)ethoxy]methyl]-, (S)-
OTHER NAMES:
CN   (S)-1-(3-hydroxy-2-phosphonomethoxypropyl)cytosine
CN   (S)-HPMPC
CN   1-(S)-(3-Hydroxy-2-phosphonylmethoxypropyl)cytosine
CN   1-[(S)-3-Hydroxy-2-(phosphonomethoxy)propyl]cytosine
CN   **Cidofovir**
CN   Cidovir
CN   GS 0504
CN   HPMPC
CN   Vistide
FS   STEREOSEARCH
MF   C8 H14 N3 O6 P
CI   COM
SR   CA
LC   STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS,
       BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST,
       CIN, DDFU, DRUGU, EMBASE, HSDB*, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS,

IMSPRODUCT, IMSRESEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, PATDPASPC, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

836 REFERENCES IN FILE CA (1907 TO DATE)
36 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
840 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file merck

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.61	27.15

FILE 'MRCK' ENTERED AT 00:39:38 ON 19 NOV 2008

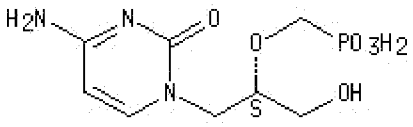
FILE COVERS FROM LATE 19TH CENTURY TO PRESENT. LAST UPDATE: AUGUST 2008

=> s l4
L5 1 L4

=> d all

L5 ANSWER 1 OF 1 MRCK COPYRIGHT (C) 2008 Merck and Co., Inc., Whitehouse Station, New Jersey, USA. All rights reserved. on STN
MERCK Number (MNO): 1402268
CAS Registry No. (RN): **113852-37-2**
MERCK Index Name (MIN): Cidofovir
CA Index Name (CN): [[(1S)-2-(4-Amino-2-oxo-1(2H)-pyrimidinyl)-1-(hydroxymethyl)ethoxy]methyl]phosphonic acid
Synonym(s) (CN): (S)-1-[3-hydroxy-2-(phosphonylmethoxy)propyl]cytosine; (S)-HPMPC
Drug Code(s) (CN): GS-504
Trade Name(s) (CN): Vistide (Gilead Sciences; Gilead)
File Segment. (FS): Active Monographs
Molecular Form. (MF): C8 H14 N3 O6 P
Wgt Composition (COMP): C 34.42%, H 5.05%, N 15.05%, O 34.38%, P 11.09%.
Molecular Weight (MW): 279.19
References (RE): DNA synthesis inhibitor. Prepn: A. Holy et al., EP 253412; eidem, US 5142051 (1988, 1992 both to Ceskoslov. Akad. Ved; Rega Inst.); and activity vs cytomegalovirus: R. Snoeck et al., Antimicrob. Agents Chemother. 32, 1839 (1988). Syntheses: J. J. Bronson et al., Nucleosides Nucleotides 9, 745 (1990); P. R. Brodfuehrer et al., Tetrahedron Lett. 35, 3243 (1994). Activity vs herpes simplex virus: G. Andrei et al., Eur. J. Clin. Microbiol. Infect. Dis. 11, 143 (1992). Review of pharmacology and clinical studies: M. J. M. Hitchcock et al., Antivir. Chem. Chemother. 7, 115-127 (1996). Review of clinical potential in poxvirus infections: E. De Clercq, Trends Pharmacol. Sci. 23, 456-458 (2002).

Absolute stereochemistry.



Melting Point (MP):

Value MP deg C	Note
260	(dec)

Optical Rotatory Power (ORP):

Value ORP deg	Temp. ORP.T deg C	Spectral Line ORP.SL	Note
-97.3	20	D	(c = 0.80 in water)

UV Spectrum (UVS):

Maximum Peak Pos. UVS.PP nm	Note
279	(pH 2) (ε 13000)

Other Properties (OCPP):
Fluffy white powder, mp 260° (dec) . [α]D20 -97.3° (c = 0.80 in water) . Monohydrate, uv max (pH 2): 279 nm (ε 13000) .

Therapeutic Codes (THER):
Antiviral.

Referenced Patent (RPN):
EP253412; US5142051

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.79	29.94

STN INTERNATIONAL LOGOFF AT 00:40:13 ON 19 NOV 2008